SAMSUNG SSD
PB22-J

General

	256GB	128GB	64GB
Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG
Model	256GB MLC SSD	128GB MLC SSD	64GB MLC SSD
Interface	SATA 3.0Gb/s	SATA 3.0Gb/s	SATA 3.0Gb/s

Performance

Host Transfer Rate	300MB/sec	300MB/sec	300MB/sec
Maximum Sequential Read Rate	220MB/s	220MB/s	220MB/s
Maximum Sequential Write Rate	200MB/s	200MB/s	120MB/s

Drive Capacity

	256GB	128GB	64GB
Unformatted Capacity	256GB	128GB	64GB
User-Addressable Sectors	500,118,192	250,069,680	125,045,424
Bytes per Sector	512	512	512

Electrical

	2.5"	1.8"	Slim
Voltage	5V ±5%	3.3V ±5%	3.3V ±5%

Power Consumption

Active	1.5W
Idle/Standby/Sleep	0.15W

Reliability

S.M.A.R.T Support	Yes
MTBF	1,000,000 Hours
Preventive Maintenance	None required

Environment

Temperature	
Operating	0°C to 70°C
Non-Operating	-55°C to 95°C
Shock	
Operating	1500G, (@ 0.5msec half sine wave)
Non-Operating	1500G, (@ 0.5msec half sine wave)
Vibration	20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis
Humidity	0°C to 55°C / 90~98% RH

Physical

	2.5"	1.8"	Slim
Width	69.85 ± 0.25mm	54.0 ± 0.2mm	54.0 ± 0.13mm
Height	9.5 ± 0.2mm	5.0 ± 0.15mm	3.6 ± 0.13mm
Length	100.3 ± 0.2mm	78.50 ± 0.3mm	76.20 ± 0.13mm
Weight	80g	40g	20g

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***NOTE** : 1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1 billion bytes*